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C1  
1. (Amended) A field coil for an electromagnetic rotor comprising multiple windings, said windings substantially entirely coated with a powder resin having a dielectric strength of at least 1000 v/mil, and a thermal stability above 155° C.

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2. (Amended) The field coil of claim 1 wherein electrical connector portions of the field coil are not coated.

52  
C1  
3. (Amended) A field coil for an electromagnetic rotor comprising a field coil substantially entirely coated with a powder resin selected from a group consisting essentially of epoxy powder resins and silicone powder resins, wherein said powder resin has a dielectric strength of at least 1000 v/mil and thermal stability above 155° C.